

Leaf

Leaf AFi-II

The world's first 56mm medium
format digital camera system



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Featuring the world's first 56mm medium-format digital camera system

The all new Leaf AFi-II camera system is the innovative 6x6 digital camera system that has the power and flexibility to capture your imagination.

Integrating the best materials and technology, the Leaf AFi-II delivers a unique experience in digital photography: Best-of-class German lenses; easy-to-use controls on a rugged, ergonomically designed body housing some of the industry's most revolutionary features; the widest, most versatile sensor in it's class, bright LCD touch screen that tilts up to 90° for easy viewing and integrated Leaf Capture workflow software.

All these elements were designed together to make the Leaf AFi-II the most advanced digital medium-format digital camera system in the world.

Large Sensor: True Wide Frame

At 56mm, the True Wide Frame sensor in the Leaf AFi-II 10 is the world's widest medium-format sensor, including an unsurpassed dynamic range and brilliant 16-bit color files up to 345MB.

Internal Sensor Rotation: Verto

Change from landscape to portrait orientation with a turn of the Leaf Verto internal sensor rotation dial. Keep your eye on your subject while the icons in the viewfinder change orientation as the hermetically sealed sensor locks in place.

Sensor Flexibility: SensorFlex

With Leaf SensorFlex technology you can crop on the fly to standard pre-set formats before you shoot to get the dimensions, file size and transfer rates that are best suited to your work.

Tilting LCD Touch Screen

The Leaf AFi-II LCD image display and touch screen controls are even more accessible now with up to 90° adjustable tilt. Change the angle of the display to easily adjust settings and perform file management tasks.

Best-of-class German Optics

Part of the Leaf AFi-II integrated system design includes high-resolution, German-built PQ and PQS autofocus and manual focus lenses.

Best-of-class optics by Zeiss and Schneider include a range of lenses with Rollei-developed Direct Drive technology, microcomputer-controlled, motor-driven diaphragms with hand-stamped, ultra-thin carbon fiber leaf shutters that deliver fast flash synchronization up to 1/1000 second.

Three Viewfinder Options

Reposition the viewfinder to make any shoot comfortable: use the 90°, 45° and waist level viewfinders and forget about tripod adjustments.

The 45° and 90° viewfinders can be mounted perpendicular to the lens in both directions. All viewfinders enable full functionality, including built-in light metering and information display. The bright, internal viewfinder screen offers a full display of the camera's essential settings.

Shoot Your Maximum, Shoot Fast – Without Compromising Image Quality

The Leaf AFi-II takes advantage of the latest in CompactFlash card technology, writing to the memory card using UDMA speeds. RAW images can be saved as lossless compressed files, enabling you to shoot nearly twice the number of photos per CF card. When tethered, the camera sends images directly to the computer via an ultra-fast FireWire 800 connection.

View Camera Compatibility

The Leaf AFi-II imaging module digital camera compatible with over 80 large and medium format cameras.

Ease of Use

From full automatic to fine control and advanced features, easy-to-use controls enable quick changes and verification of settings. Within minutes of picking up the Leaf AFi-II, you'll be up and shooting.

Leaf AFi-II		10	7	6
CCD Size	mm	56 x 36	48 x 36	44 x 33
	pixels	9288 x 6000	6726 x 5040	6144 x 4622
	resolution	56 MP	33 MP	28 MP
Capture Rate (sec/frame)		1	1.1	1
File Size	MOS	112 MB	67 MB	53 MB
	MOS lossless compression	78 MB	47 MB	31 MB
	TIFF 16-bit	345 MB	190 MB	159 MB
	8 bit RGB	172 MB	102 MB	80 MB
	8 bit CMYK	229 MB	136 MB	106 MB
ISO Sensitivity		50-800	50-800	50-800
View camera compatible		Yes	Yes	Yes
Verto sensor rotate		Yes	Yes	No
Tilt touch screen		Yes	Yes	No
Camera body dimensions		157 x 112 x 78	157 x 112 x 78	157 x 112 x 78
System Weight		2180 g	2180 g	1970 g
Includes battery, 80mm lens, waist-level viewfinder and digital imaging module.				

Camera Feature Specifications

Camera type	Medium format digital single lens reflex camera with 6 x 7 touch screen LCD back	Exposure compensation	+/- 5 EV
File format	Leaf RAW file format - standard, open, RAW file format	Shutter speed	1/1000 seconds minimum (PQS)
File format camera	MOS compressed (16-bit RAW) MOS non-compressed (16-bit RAW)	AE lock	Yes
File format output	- MOS compressed (16-bit RAW) - MOS lossless compression - TIFF 16 bit - RGB 8 bit - CMYK 8 bit	Exposure bracketing	3 exposure range and 5 exposure range in 1/3, 2/3 and full stop increments
Color depth	16 bits JPG (65,536 levels per channel)	Light metering	1/3 stop increments
Color management—portable	Input (camera) profile and working space	Metering range	Exposure metering EV 0 to EV 19 at ISO 100 with 80mm f/2.8 lens
Color management—tethered	Input (camera) profile, working space and output profiles according to output device	Metering modes	Multi-zone, center-weighted and spot metering
Dynamic range	12 f-stops	Flash synchronization	Normal sync, rear sync
Lens mount	Rollei bayonet mount. 10-contact signal strip for aperture and shutter speed transfer. Exposure control fully functional, even with bellows attachment, extension tubes and retro (reversing) adapter.	Capture delay	Shoot with a delay of 1, 1.5, 2, 2.5, 3, 3.5, 4, 5, 6, 8, 10, or 15 seconds between shots.
Shutter	Central leaf shutter powered by linear motors (direct drive)	Flash compensation	+/- EV3
Shooting modes	- Single - Continuous shooting	TTL flash	TTL flash available with Rollei SCA 3562 adapter. compatible SCA3002 flash system
Action grip	4 position grip with detachable leather hand-strap	Histogram & gray balance	Yes
Operating time with battery	Up to 2000 exposures	Self timer	1/4 second to 128 seconds
Image storage options	CF card, via FireWire directly to the computer, or to an external hard drive	Remote release	Yes
Orientation sensor	Yes, in Leaf AFI-II 10 and Leaf AFI-II 7	Tripod	1/4", 3/8" threads and quick release tripod plate
Viewfinder	Waist-level viewfinder (standard) with optional diopter (-4.5 to +2.5). Image magnification with loupe 3 times. 45° prism with optional diopter (-4.5 to +2.5) Image magnification 2.5 times 90° viewfinder with built-in diopter adjustment (-4 to +4) Image magnification 3.4 times.	Leaf Capture 11 workflow software	Free, for an unlimited number of users
Information in viewfinder options	Viewfinder LCD display: Aperture, shutter speed, AE mode, exposure indicator, meter type, focus indicator, rear sync, normal sync, flash readiness indicator, orientation indicator*, number of shots remaining, flash compensation, battery level. * only Leaf AFI-II 10 and Leaf AFI-II 7	Text input	Yes, via touch screen
Camera control	Remote control from computer in tethered mode	LCD on imaging module	6 x 7 cm (3.5") touch screen works in portable and tethered modes for indoor and outdoor shooting
Autofocus	Yes. Also has Auto Focus Assist with internal IR illuminator & instant manual focus override.	LCD functionality and display	Image preview, histogram, gray balance, file management, battery status, 1:1 preview, preshoot file naming, image flagging, job folders, custom file annotations, exposure alarms, ISO, IPTC and EXIF metadata
Focus lock	Yes	Wireless	Bluetooth (WiView)
Autofocus area mode	Single area autofocus	Firmware	User upgradeable via FireWire cable
Auto focus range	EV 1 to EV 19 at ISO 100 with 80mm f/2.8 lens	Languages	Chinese, English, French, German, Italian, Japanese, Spanish
Focus tracking	In continuous AF mode	Connectivity	FireWire 400, FireWire 800
Focus bracketing	3, 5, 7 or 9 shots	Live view	Standard in tethered mode
Focus trapping	Yes	Lens multicoating	Lenses for Leaf AFI-II cameras are High Fidelity Transfer (HFT) coated.
Exposure modes	Program, shutter priority, aperture priority, manual, B&T	Tested CF cards	CompactFlash Cards Type I & II, SanDisk Extreme series (recommended) including Extreme IV, SanDisk Ultra II, Lexar CF Pro series, Ridata Supreme Series and Transcend 300X
		Power supply	A single battery powers both camera and imaging module. The imaging module can also be powered via DC converter, FireWire, car lead adapter or battery. Rechargeable Li-ion battery (7.2 VDC / 2350 mAh)
		Operating temperature	0-40° C
		Operating humidity	15-80% (non-condensing)

Lenses and Accessories

Lenses	Filters	Extension Tubes
40 mm f/3.5 MF HFT PQ Schneider Super-Angulon	Skylight	9 mm
50 mm f/2.8 AFD HFT PQS Schneider Super-Angulon	UV	17 mm
80 mm f/2.8 AFD HFT PQS Schneider Xenotar	Circular polarizer	22-68 mm
90 mm f/4 MF HFT PQS Schneider Apo-Symmar	Lens Hoods	34 mm
110mm f/2 MF HFT PQ Zeiss Planar	80-250 mm (Bay VI)	67 mm
120 mm f/4 MF HFT PQS Makro Apogon	40 mm F3.5	Bellows
150 mm f/4 AFD HFT PQS Schneider Tele-Xenar	60-140 mm F4.6	Retro Adapter
60-140 mm f/4.6 AFD HFT PQS Schneider Variogon	50/60 mm	Viewfinders
180 mm f/2.8 AFD HFT PQ Schneider Tele-Xenar	50 mm F2.8	Waist level viewfinder
250 mm f/5.6 MF Schneider Sonnar	110 mm F2.0	90° viewfinder
1.4x Longar AF teleconverter	180 mm F2.8	45° prism
Adapters	Flash	
Graflok	SCA 356 Flash adapter	
Mamiya RZ	SCA 3562 Flash adapter	



About Leaf: Our Science Your Art

Since introducing the world's first digital camera back (DCB) in 1992, Leaf has been recognized as a worldwide leader in the professional photography market. With extensive knowledge of image processing, color management and file conversion technology, Leaf has become the preferred professional digital camera vendor for the world's leading photographers.

For more information visit www.leaf-photography.com

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